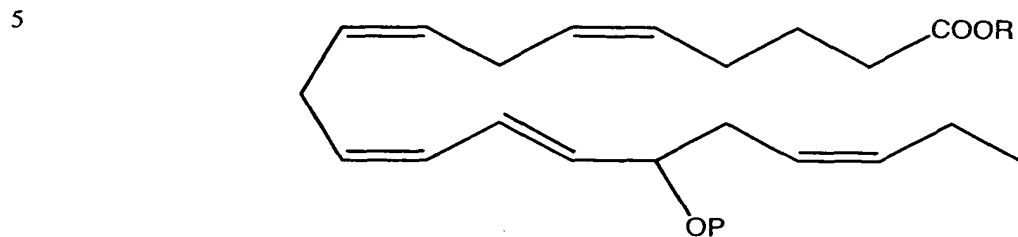


What is claimed is:

1. A compound having the formula:



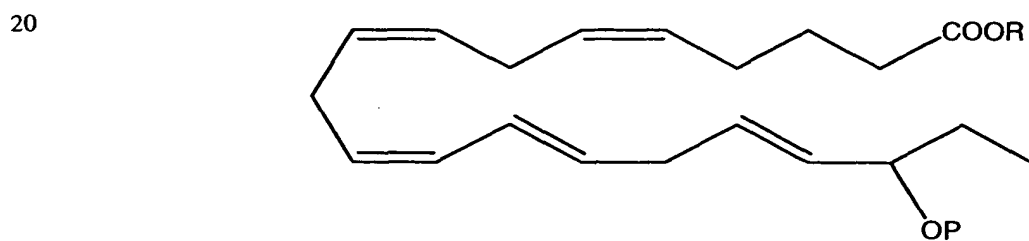
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wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

2. The compound of claim 1, wherein the C-15 carbon has an R configuration.

- 15
3. The compound of claim 1, wherein the C-15 carbon has an S configuration.

4. A compound having the formula:



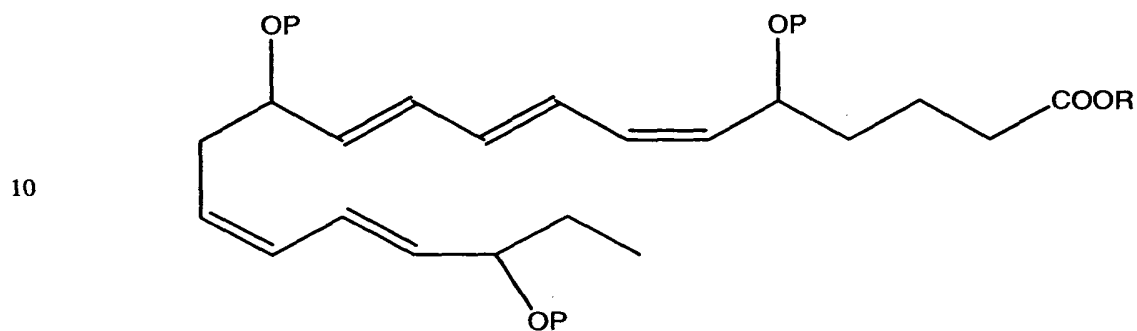
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wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

5. The compound of claim 4, wherein the C-18 carbon has an R configuration.

6. The compound of claim 4, wherein the C-18 carbon has an S configuration.

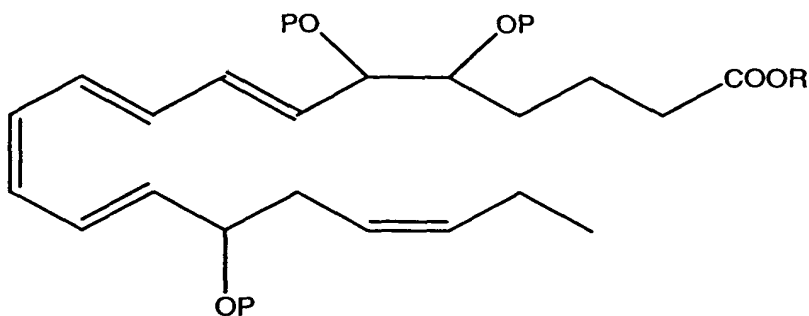
5 7. A compound having the formula:



15 wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein one or more P's are hydrogen atoms or one or more protecting groups or combinations thereof.

20 8. The compound of claim 7, wherein the C-5 carbon has an S configuration, the C-12 carbon has an R configuration and the C-18 carbon has an R configuration.

9. A compound having the formula:



- 10
- wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein one or more P's are hydrogen atoms or protecting groups or combinations thereof.
- 10.
- 15
- The compound of claim 9, wherein the C-5 carbon has an S configuration, the C-6 carbon has an R configuration and the C-15 carbon has an R configuration.
- 11.
- 20
- A method for treating or preventing inflammation in a subject, comprising the step of administering a combination of an omega-3 fatty acid and aspirin, such that inflammation is treated or prevented in the subject.
- 12.
- The method of claim 11, wherein the omega-3 fatty acid and aspirin are administered at two different times.
- 13.
- 25
- The method of claim 11, wherein the omega-3 fatty acid is eicosapentanoic acid.
- 14.
- The method of claim 11, wherein the omega-3 fatty acid is docosahexaenoic acid.

15. A method for treating arterial inflammation, arthritis, or cardiovascular diseases in a subject, comprising the step of administering to the subject a combination of an omega-3 fatty acid and aspirin, such that arterial inflammation, arthritis, or cardiovascular disease is treated or prevented in the subject.

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16. The method of claim 15, wherein the omega-3 fatty acid and aspirin are administered at two different times.

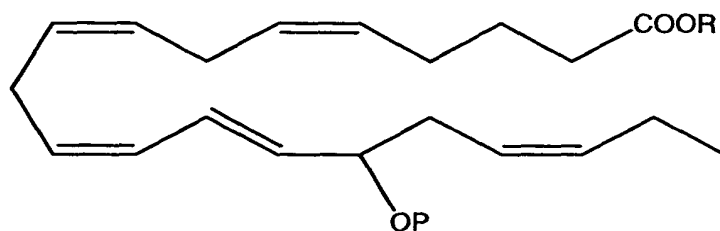
17. The method of claim 15, wherein the omega-3 fatty acid is eicosapentanoic acid.

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18. The method of claim 15, wherein the omega-3 fatty acid is docosahexaenoic acid.

19. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:

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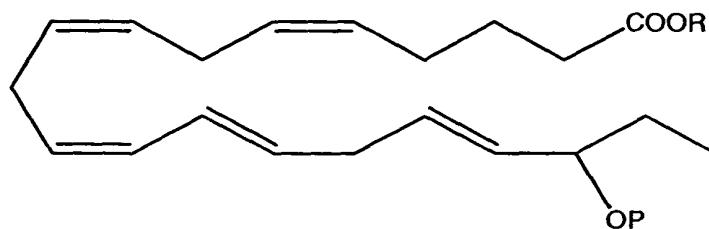
wherein R is a hydrogen atom or is a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that inflammation is treated or prevented in the subject.

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20. A method for treating or preventing inflammation in a subject, comprising the step of

administering to the subject a compound having the formula:

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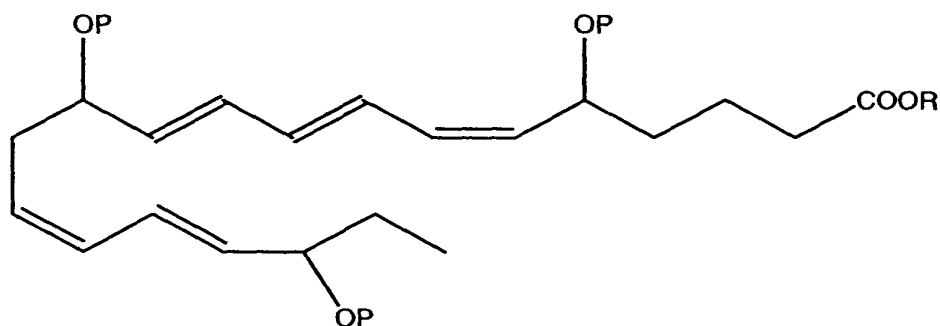


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wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that inflammation is treated or prevented in the subject.

21. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:

15

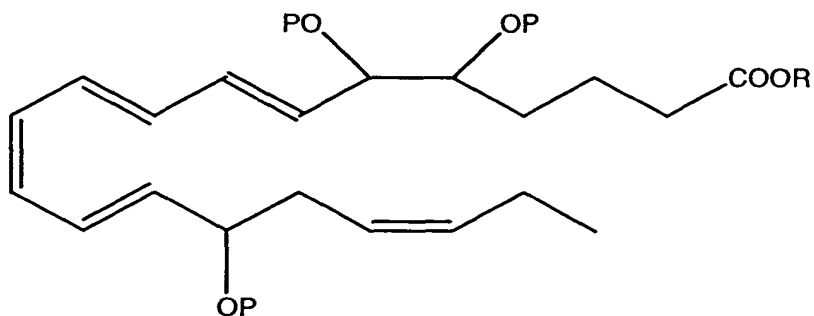


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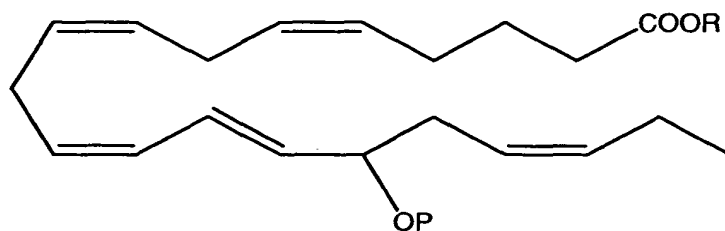
wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein one or more P's are hydrogen atoms or one or more protecting groups or combinations thereof, such that inflammation is treated or prevented in the subject.

22. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein one or more P's are hydrogen atoms or one or more protecting groups or combinations thereof, such that inflammation is treated or prevented in the subject.

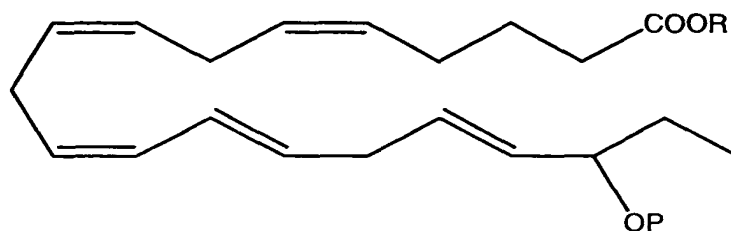
23. A method for treating arterial inflammation, arthritis, or cardiovascular diseases in a subject, comprising the step of administering to the subject compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or

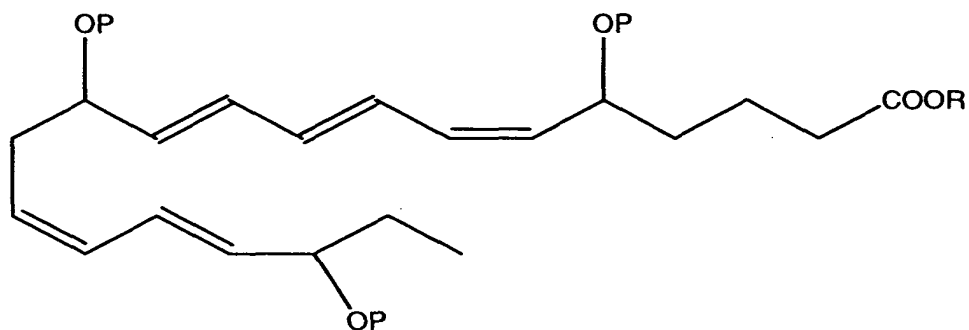
prodrug and wherein P is a hydrogen atom or a protecting group, such that arterial inflammation, arthritis, or cardiovascular disease is treated or prevented in the subject.

- 5            24.    A method for treating arterial inflammation, arthritis, or cardiovascular diseases in a subject, comprising administering to the subject a compound having the formula:



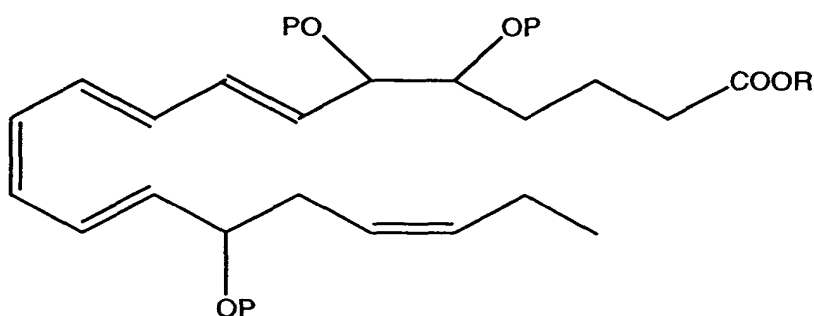
15            wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and P is a hydrogen atom or a protecting group, such that arterial inflammation, arthritis, or cardiovascular disease is treated or prevented in the subject.

- 20            25.    A method for treating arterial inflammation, arthritis, or cardiovascular diseases in a subject, comprising administering to the mammal a compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein one or more P's are hydrogen atoms or one or more protecting groups or combinations thereof, such that arterial inflammation, arthritis, or cardiovascular disease is treated or prevented in the subject.

26. A method for treating arterial inflammation, arthritis, or cardiovascular diseases in a subject, comprising administering to the mammal a compound having the formula:

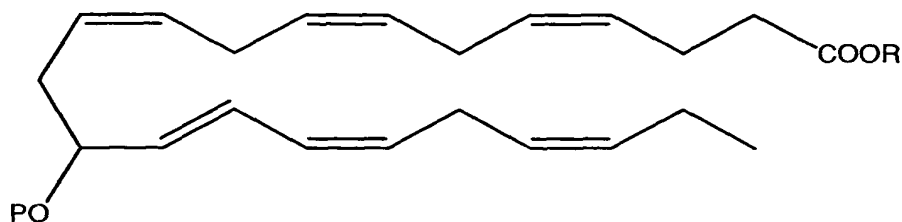


wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein one or more P's are hydrogen atoms or one or more protecting groups or combinations thereof, such that arterial inflammation, arthritis, or cardiovascular disease is treated or prevented in the subject.

27. A hydroxyl protected or unprotected monohydroxyl-docosahexaenoic acid or a pharmaceutically acceptable analogue thereof.

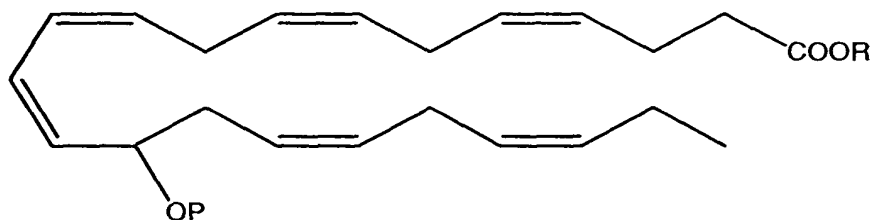


28. A compound having the formula:



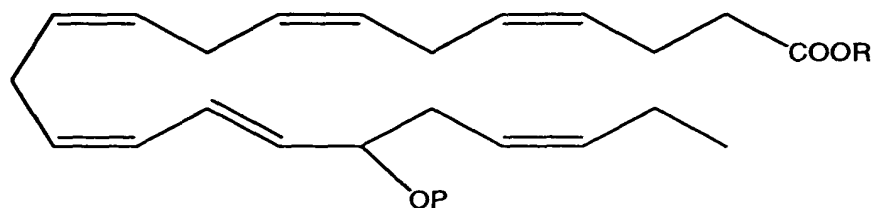
wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

10 29. A compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

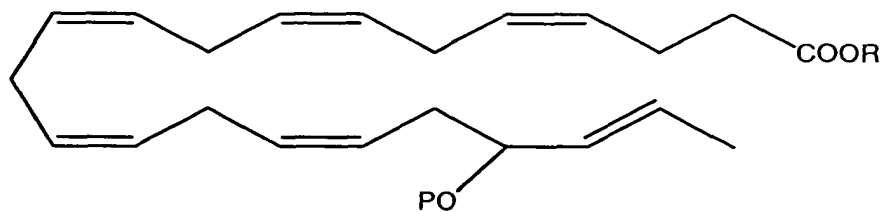
20 30. A compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or

prodrug and wherein P is a hydrogen atom or a protecting group.

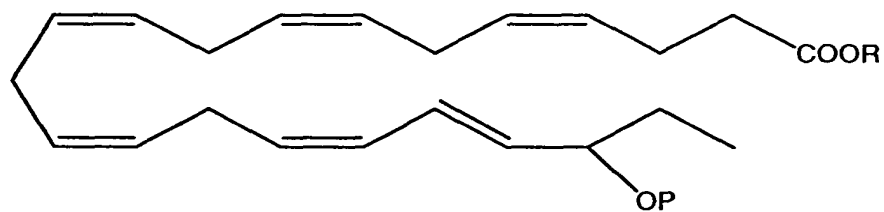
31. A compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

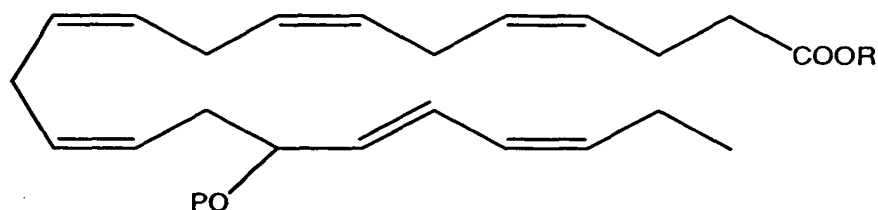
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32. A compound having the formula:



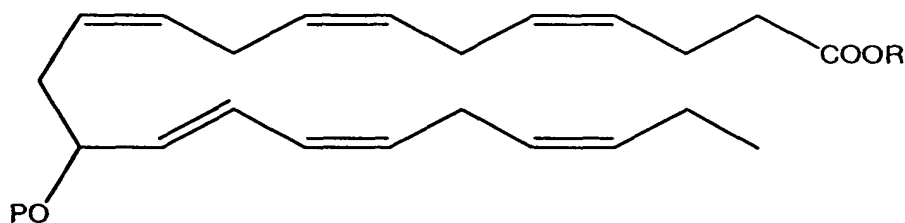
wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

33. A compound having the formula:



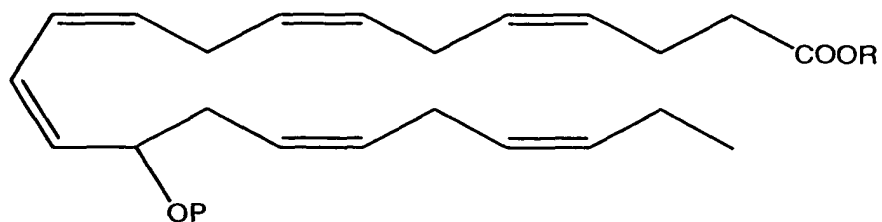
wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group.

34. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that the subject is treated.

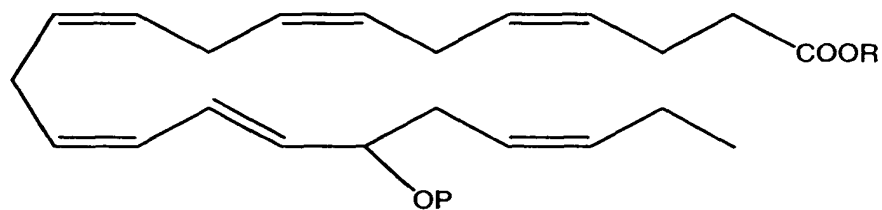
35. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that the subject is treated.

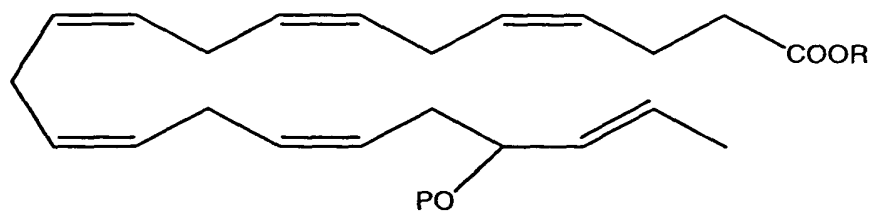
36. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:

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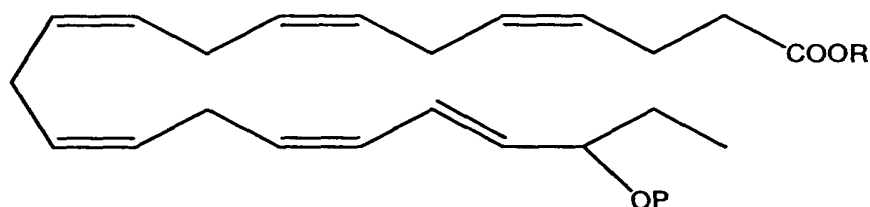
wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that the subject is treated.

37. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:



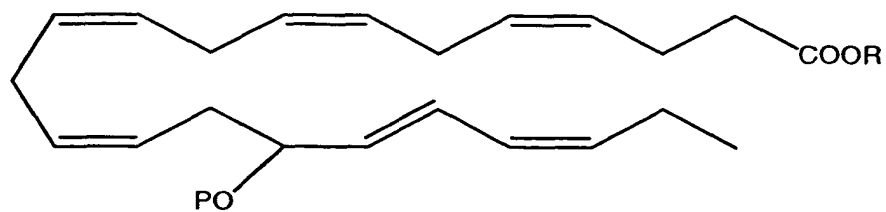
wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that the patient is treated.

38. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that the subject is treated.

39. A method for treating or preventing inflammation in a subject, comprising the step of administering to the subject a compound having the formula:



wherein R is a hydrogen atom or a pharmaceutically acceptable salt, ester, amide or prodrug and wherein P is a hydrogen atom or a protecting group, such that the subject is treated.